Tyler McGue

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EDUCATION

Western Governors University 2021 | **Moorpark College** 2020 | **California State University of Northridge** 2018
Computer Science GPA 4.0   *Computer Science GPA 4.0*   *Bachelor of Arts in History*, GPA 3.3

TECHNICAL SKILLS

Languages: Go, TypeScript, Python, C#, SQL, JavaScript. Frontend: React, Nextjs, Tailwind. Backend: Gin, GORM, Django, REST API, JWT Authentication. Databases: PostgreSQL, SQL Transactions. Tools: Git, Agile Development

EXPERIENCE

Ventura County, CA   *June* 2024 – Present
Freelance Engineering
- Architected and deployed full stack applications using Go, Django, React, TypeScript, and SQL.
- Designed secure REST APIs with Gin and GORM, implementing custom JWT authentication for stateless sessions.
- Built a Role Based Access Control system enforcing strict multi-tenant data isolation and permission-based UI rendering.
- Implemented SQL transactions to ensure atomic multi-table operations during onboarding workflows.
- Participated in full software life cycle development including design, coding, testing, and documentation.
- Developed responsive frontends using React, TypeScript, and Tailwind with protected routes and token-based authorization.

Scorpion, Valencia, CA   *Sept* 2020 – Present
Software Engineer
- Originated the concept for a design to code automation platform and partnered directly with the CTO to scale it into a companywide internal tool adopted across multiple teams.
- Increased engineering efficiency by 20 percent by automating Figma style extraction and generating code ready stylesheets.
- Planned, designed, and implemented software features using C# and JavaScript within a structured development process.
- Automated manual data analysis tasks through a C# data scraping and processing tool, reducing labor by over 80 hours per project.
- Worked closely with multiple development teams, reusing and adapting software modules to support different programs.

PROJECTS

- **Initium | Multi-Tenant Business Platform** – Built a secure REST API in Go using Gin and GORM with custom JWT authentication. Implemented granular RBAC enforcing multi-tenant data isolation across four user tiers. Designed SQL transaction workflows ensuring atomic multi table operations.
- **Style Weaver | Internal Design to Code Automation Platform** – Built a C# and Python-based application that integrates with the Figma API to extract design data and generate CSS code automatically.
- **Scrapey | Web Scraping and Data Analysis Tool** – Developed a C# web scraping and data analysis application using Selenium to identify pages with script tags and generate CSV outputs.
- tylermcgue.com | **Full-Stack Portfolio Application** – Created a personal portfolio site using Next.js (TypeScript) for the frontend and Go for the backend. Implemented animations with GSAP and features with Matter.js for a dynamic user experience.
- **wrenvironmental.com |Multi-Location Client Business Website** – Coded this site completely to client specifications utilizing HTML, CSS, JavaScript and using complex SQL queries to pull data.